

Lindsey Lake Tanker Truck Spill Incident Action Plan (IAP)

IAP #12

From 3/02/2019 @ 0700

To 3/04/2019 @ 0700



1. Incident Name Lindsey Lake Tanker Spill I-84, MP 54		OERS 2019-0334 NRC#1237421	2. Operational Period to be covered by IAP (Date/Time) From: 02 Mar 2019 / 0700 To: 04 Mar 2019 / 0700	IAP COVER SHEET
3. Approved by Incident Commander(s):				
<u>ORG</u>	<u>NAME</u>			
FOSC (EPA)	Jeff Fowlow	JEFFREY FOWLOW Digitally signed by JEFFREY FOWLOW Date: 2019.03.01 15:08:32 -08'00'		
SOSC (DEQ)	Jamie Collins	<i>[Signature]</i> 3/1/2019/1445		
RP IC	Dave Borys			

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

ICS 202 (Incident Objectives)

O ICS202A (Command Direction)

ICS203 (Organization List) - OR - ICS 207-CG (Organization Chart)

ICS204 (Assignment Lists)

ICS 205 (Communications Plan)

ICS 206 (Medical Plan)

ICS 207 (Org Chart)

ICS208 (Site Safety Plan) or Note SSP Location - Revised 17 Feb 2019

Map/ Chart

Weather Forecast/ Tides/Currents

Other Attachments

ICS232-OS (Resources at Risk Summary)

D Sampling and Analysis Plan

Waste Management Plan - Revised 18 Feb 2019

Inadvertent Discovery Plan for Cultural Resources

Incident Transition Plan - 19 Feb 2019

Backfill and Erosion Control Plan - 28 Feb 2019

D _____

4. Prepared by:

Ross McMakin - NWFF

Date/Time

28 Feb 2019 / 1500

1. Incident Name: LindseyLakeTankerTruckSpill	2. Operational Period: (Date/ Time) From: 02Mar 2019 / 0700 to: 04 Mar/0700	INCIDENT OBJECTIVES ICS 202- EPA
3. Incident Objective(s): <ol style="list-style-type: none"> 1. Ensure safety of citizens and response personnel 2. Return the impacted area to pre-spill conditions 3. Manage the response in a coordinated manner 4. Control and prevent the migration of contamination 5. Protect environment and cultural resources 6. Remove product from impacted areas 7. Keep the public and stakeholders informed 8. Characterize the extent of subsurface contamination and evaluate removal options 9. Minimize economic impacts 10. Transition from emergency response 		
4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions): Objectives one and ten to be maintained throughout shut-down period. All other objectives to be followed and/or met during the next operational period to be determined by Unified Command depending on weather and safe site conditions. <ol style="list-style-type: none"> 1. Air monitoring shall take place before and during all excavation activities continuously 2. Before backfilling any excavation areas, explicit approval must be given by unified command 3. Complete backfill of excavation area of Division C (south side of highway) 4. Complete excavation in Division B (north side of highway) 5. Complete emergency operations in Division C (south side of highway) 6. Maintain containment of recently excavated areas where seeping may occur 7. Sample soil in all excavated areas according to written sampling plan 8. Notify Unified Command immediately with any of the following critical information: <ol style="list-style-type: none"> a. If there are any rushes or surges of product to the road surface or lake b. Sheen is observed outside of the primary containment zone c. Contaminated, injured, or dead wildlife d. Any responder requires more than simple first-aid treatment e. Any wrecks or accidents along the roadway (whether related to the incident or not) f. Any VIP, elected officials, or media are observed in or near any of the work areas g. Any inadvertent cultural resource/archeological discovery 		
5. General Situation Awareness (Safety bullets, Weather, etc...): <p>*** Full-face respirators must be worn when working in areas where total VOC samples are observed to exceed 10 ppm ***</p> <p>All workers within 10 feet of water must be wearing a PFD. Reflective/ high visibility clothing must be worn on roadway and shoulders</p> <p>All workers and people in any areas of contamination must be in at least Level-D PPE and increase to Level-C as necessary.</p> <p>Workers should dress warmly, and monitor self and peers for symptoms of hypothermia. Given the extra layers of clothing, workers should properly hydrate throughout the day to avoid dehydration.</p> <p>Roadway surfaces, lake banks, and wetlands are wet, icy and/or covered in snow; there are a number of very slick rocks. Workers should be mindful of very slippery conditions and avoid slips, trips, and falls.</p> <p>Exercise safe work practices while working along the highway. Traffic control will take place on both east bound and west bound sides of highway. Work facing traffic whenever possible. Maintain awareness of surroundings at all times. Watch for heavy equipment, do not enter the swing radius of an excavator without eye contact and a signal from the operator.</p>		
Approved Site Safety Plan Located at: ICP		
6. Prepared By: (PSC) Name: Ross McMakin - NWFF		(Date / Time) Signature:
INCIDENT OBJECTIVES		JCS 202 - EPA (Rev 02/10)

1. Incident Name:		2. Operational Period (Date/ Time)		ORGANIZATION ASSIGNMENT LIST ICS 203-EPA	
Lindsey Lake Tanker Truck Spill		From: 02Mar 2019 / 0700to: 04 Mar 2019 / 0700			
3. INCIDENT COMMANDER/ COMMAND STAFF:		7. OPERATION SECTION:			
IncidentCommand er(s)	Jeff Fowlow, EPA JamieCollins, OROSC DaveBorys, RPIC	Chief	ShilohMcconnel, NWFF		
Deputy		Deputy			
Safety Officer	Chuck Carver, NWFF Mark MacIntyre, EPA Laura Gleim/Jennifer Flynt, OR DEQ	Deputy			
Information Officer		Staging Area Manager			
AGENCY REPRESENTIVES	Teresa Nowicki, Charles Schwartz Branch 1	Deputy			
OPRD	Mark Steven son --1	Division/Group A	On-water Ops- Seth Williams		
		Division/ Group B	North side of Hwy - Jam ie Redom		
		Division/ Group C	South Sid e of Hw y - Glenn Thor		
5. PIANNING SECTION:		Branch 2			
Chief	Ross McMakin , NWFF	Director			
Deputy		Deputy			
Resources Unit	Steve Lemelin, NWFF	Division/Group			
Situation Unit		Division/G roup			
Environmental Unit	Chris Richardson / TracyEngland	Division/Group			
Deputy Environm ental	Don Pettit, ODEQ	Division/Group			
Demobilization Unit		Branch 3	--1		
Technical Specialist	Tim Shaw, NWFF	Director			
Technical Specialist	Darrel Whitmore, NWFF	Deputy			
6. LOGISTICS SECTION :		Division/Group			
Chief	Steve Lemelin, NWFF	Division/ Group			
Deputy	Ross McMakin, NWFF	8. FINANCE/ADMINISTRATIONSECTION:			
a. Support Branch		Chief			
Director		Time Unit			
Supply Unit		Procurement Unit			
Facilities Unit		Compensation/Claims Unit			
Ground Support Unit		Cost Unit			
Transportation Unit					
b. Service Branch					
Director	1				
Communication s Unit					
Medical Unit					
Food Unit					
9. Prepared By:		(Date/Time)			
Name: Ross McMakin - NWFF		Signature:			
ORGANIZATION ASSIGNMENT LIST		ICS 203 · EPA /Rev01/10/			

1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operational Period: (Date / Time) From: 02 Feb 2019 / 0700 to: 04 Mar 2019 / 0700		ASSIGNMENT LIST ICS204 - EPA	
3. Branch: Division A - On Water		4. Division/ Group/ Staging: ODOT Weigh Station			
S. Operations Personnel:					
ICS Position	Name	Affiliation	Contact # (s)		
Operations Section Chief:	Shiloh McCone II	NWFF	541-231-2619		
Branch Director:					
Division/Group Supervisor/STAM:	Seth Williams	NWFF	541-745-8288		
Resources Assigned: "X" Indicates 204a attachment with additional instructions					
Strike Team/Task Force/Resource Identifier	Leader	contact Info. #	# of Persons	Reporting Info / Notes/ Remarks	
NWFF Technicians	Seth Williams	541-745-8288	4		
7. Work Assignments:					
Check and maintain hard boom in place and deploy more boom if necessary					
Check and replace soft boom as necessary					
Provide boat transportation as needed to resource trustee representatives (NOAA/USFWS/ODFW), air monitoring crews and sampling crews					
Assist Land Operations Group as needed with flushing and recovery operations					
8. Special Instructions:					
PFDs are to be worn at all times, while on or with in 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor, or any cultural or historic artifacts. Reflective vests are required to be worn when on or near the highway. Hard hats must be worn while any over-head operations are ongoing. . . Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC's.					
9. Communications (radio and/ or phone contact numbers needed for this assignment):					
Name/Function	Radio Freq./System/Channel	Phone	2/L Page		
Emergency Communications: 911 and Safety Officer: 541-740-3272					
10. Prepared by: (PSC) (Date / Time)		11. Reviewed by: (PSC) (Date / Time)		12. Reviewed by: (OPS) (Date / Time)	
Name: RossMcMakin - NWFF 28 Feb 1500		Name:			

1. Incident Name: Lindsey Lake Tanker Truck Spill		2. Operations Period: (Date / Time) From: 02 Mar 2019 / 0700 to: 04 Mar 2019 / 0700		ASSIGNMENT LIST ICS204-EPA	
3. Branch: Division B - North side of Hwy		4. Division/Group/Staging: ODOT Weigh Station			
5. Operations Personnel:					
Branch Director:					
Resources Assigned: "X" indicates 204a attachment with additional instructions					
Strike Team/Task Force/ Resource Identifier		Leader		contact Info. #	# of Persons
Reporting Info/Notes/Remarks					
WFSTechnicians	Jamie Redon	509-759-5773	8		
7. Work Assignments:					
Air monitoring must be in place before excavation operations commence. Air monitoring must be maintained continuously while excavation is conducted					
Employ absorbents to recover any fuel or oily water that accumulates at collection point at Lindsey Lake. Employ best tactics to maximize recovery of oil and minimize recovery of water. If time permits, utilize long-reach crane to recover any stockpiled solid waste (sorbent or sorbent boom) from Lindsey Lake shoreline to waiting tub truck. Dispose of solid waste in accordance with all applicable Federal and State regulations.					
Complete excavation of contaminated soil on north side of highway					
Check and maintain soft boom and replace if needed along shoreline					
Maintain absorbents in the cut trench mid-slope, approximately 1-2 feet and fill with absorbent boom					
Utilize boats to the lake to assist with on-water recovery of contaminants.					
Implement erosion control and water quality protocols in backfilling plan prior to backfilling					
Possible tree removal if necessary. Exercise safe practices while working around any tree removal operations					
8. Special Instructions:					
PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor. Be cautious of slippery slopes and rocky terrain. ••• Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10 ppm total VOC.					
9. Communications (radio and/or phone contact numbers needed for this assignment):					
Emergency Communications: 911 and Safety Officer: 541-740-3272					
10. Prepared by: (PSC) (Date/ Time) Name: Ross McMakin - NWFF 02/28/19 1500		11. Reviewed by: (PSC) (Date / Time) Name:		12. Reviewed by: (OPS) (Date / Time)	

1. Incident Name:		2. Operational Period: (Date / Time)		ASSIGNMENT LIST ICS204-EPA
Lindsey Lake Tanker Truck Spill		From: 02 Feb 2019 / 0700 to: 04 Mar 2019/ 0700		
3. Branch Division C - South Side of Hwy		4. Division/Group/ Staging: ODOT Weigh Station		
5. Operations Personnel:				
ICSPosition	Name	Affiliation	Contact II (s)	
Operations Section Chief:	Shiloh McConnell	NWFF	541-231-2619	
Branch Director:				
Division/Group Supervisor/STAM:	Glenn Thor	NWFF	541-609-1969	
Resources Assigned: "X" indicates 204a attachment with additional instruction.				
Strike Team/ TaskForce/				
Resource Identifier	Leader	Contact Info #	# of Persons	Reporting Info / Notes/ Remarks
Technicians	Rariden		3	
7. Work Assignments:				
Maintain a safe work zone at all times. Coordinate with traffic control to ensure safe entrance and exit of vehicles and equipment from the highway.				
Maintain deployment of soft boom along east and west sides of Lindsey Creek				
Complete backfilling operations once approval is given by unified command.				
Complete emergency operations within Division				
8. Special Instructions:				
PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor. Be cautious of slippery slopes and rocky terrain. * * * Full-face respirators with Super defender cart ridges MUST be worn when working in areas that exceed 10ppm total VOC * * *				
9. Communications (radio and/or phone contact numbers needed for this assignment).				
Name/Function	Radio: Freq./System/Channel	Phone	Cell/ Pager	

(Date / Time) _____ Nam e: RossMcMakin - NWFF 02/28/19 1500

Name:

12. Reviewe d by: {OPS} (Dat e / Time)

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2. Operational Period: (Date / Time)

From: 02 Mar 2019 / 0700 to: 04 March 2019 / 0700

**INCIDENT RADIO
COMMUNICATIONS PLAN
ICS 205 - EPA**

CHANNEL

FUNCTION

FREQUENCY

ASSIGNMENT

REMARKS

1

All staff

164.4500

All staff

Keep radio communication short, concise, and professional.

(Date / Time)

Signature:

1. Incident Name :		2. Operational Period: Date/ Time)		INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Lindsey Lake Tanker Truck Spill		From: 02 Mar 2019 / 0700 to: 04 Mar 2019 / 0700		
3. Communication Contact List:				
NAME	POSITION	PHONE NUMBER	AGENCY/ AFFILIATION	EMAIL ADDRESS
Jeffrey Fowlow	Federal IC	206-225-5582	EPA	Jeffrey.Fowlow@epa.gov
Jamie Collins	State IC	541-3213124	ODEQ	Geoff.Brown@state.or.us
Dave Borys	RP IC	360-719-0682	HydroCon	roberth@hydroconllc.net
Chuck Carver	SO	541-740-3272	NWFF	Chuck_Carver@nwffenviro.com
Jennifer Flynt	PIO		ODEQ	
Laura Gleim	PIO		ODEQ	
Mark MacIntyre	PIO		EPA	
Scott Smith	LNO		ODEQ	
Allison Kinney	ENV	319-936-5369	BergerABAM	
Tracy England	EU	541-213-8324	ODEQ	Bryn.Thoms@state.or.us
Chris Richardson	EU			
Bryon Alexander	EU Tech	208-970-0564	EPA/E&E	
Faye Walstead -Keelan	EU Tech	503-741-0383	EPA/E&E	
Shiloh McConnell	OPS SC	541-231-2619	NWFF	Shiloh_McConnell@nwffenviro.com
Glenn Thor	OPS	541-609-1969	NWFF	
Alex Plawman	OPS	541-231-0445	NWFF	
Steve Lemelin	LSC	541-231-2624	NWFF	Steve_Lemelin@nwffenviro.com
Arturo Gutierrez	OPS	509-930-1688	WFS	
Cesar Monroy	OPS	541-243-2977	NWFF	
Charles Schwerz	OPS	503-880-9074	OR DOT	
Chris Daschel	OPS	503-891-4128	HydroCon	
Clive Bailey	OPS	509-985-7570	WFS	
Daniel Holmes	OPS		NRC	
Josh Rairden	OPS	541-453-5896	K&B	
Juan Diaz	OPS	509-406-9118	WFS	
Kevin Rairden	OPS	541-602-9166	K&B	
Robert Jones	OPS		WFS	
Ross McMakin	PSC	541-231-2618	NWFF	Ross_McMakin@nwffenviro.com
Seth Williams	OPS	541-745-8288	NWFF	
Stan Jensen	OPS	206-201-2014	NRC	
Jamie Redom	OPS	509-759-5773	WFS	
4. Prepared by:			(Date / Time)	
Name: ROSS/MCMAKIN			Signature:	

1. Incident Name: Lindsey Lake Tanker Truck Spill	2. Operational Period: <u>(Date/ Time)</u> From : 02 Mar 2019 / 0700 to: 04 Mar 2019 / 0700	MEDICAL PLAN ICS206 - EPA					
3. Medical Aid Stations:							
Name	Location	Contact #	Paramedics On Site (Y/N)				
ODOT Weigh Station	ODOT Weigh Station on North side of 1-84 just East of the spill site	None	N				
4. Transportation:							
Ambulance/Service	Address	Contact #	Level of Service <div style="display: flex; justify-content: space-between;"> ALS BLS </div>				
Hood River FD	Hood River, 5 miles East of spill site	911	x x				
5. Hospitals:							
Hospital Name	Address	Contact #	Travel Time		Burn Center (Y/N)	Helipad (Y/N)	Trauma Center (Y/N)
			Air	Ground			
Providence Memorial - Hood River	811 13 th Street, Hood River, OR	541 -436 -4500		X	X	X	X
Mid-Columbia Medical Center	1700 E 19 th Street, the Dalles, OR	541 - 295 -1111		X	X	X	X
6. Special Medical Emergency Procedures:							
Due to extreme cold and weather conditions, hypothermia is a concern. Dehydration is also a concern so personnel must stay hydrated. In the event a person falls into the water, evacuate them to the ICP immediately, and place them in a warm, dry area; remove wet clothing to prevent progression of hypothermia.							
7. Prepared by (PSC) <u>(Signature / Time)</u> Name: Ross McMakin - NWFF				8. Reviewed by : (Safety Officer) _____ (Date / Time) _____			
MEDICAL PLAN				ICS 206 - EPA (Rt v02/10/)			

ICS-207 ORG CHART

Lindsey Lake Tanker Truck Spill
From: 02 Mar 2019 / 0700

To: 04 Mar 2019 / 0700

Prepared by: Ross McMakin (PSC) -
NWFF

Unified Command

Jeffrey Fowlow, US EPA FOSC
Jamie Collins, OR DEQ SOSC
Dave Borys, HydroCon RPIC

1

Safety Officer

Chuck Carver, NWFF

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Information Officers

Laura Gleim & Jennifer Flynt, ODEQ
Mark MacIntyre, EPA

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Planning Section Chief

Ross McMakin, NWFF

1

Operations Section Chief

Shiloh McConnell, NWFF

Environmental Unit

Chris Richardson, ODEQ
Tracy England, ODEQ

Logistics Section Chief

Steve Lemelin, NWFF

Logistics Support

Ross McMakin, NWFF

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Division A - On-Water Ops

Seth Williams, NWFF

Division B - North side of Highway

Jamie Redom, WFS

Division C- South side of Highway

GlennThor, NWFF

Technical Specialists

Jason Storrs CIH, NWFF
Tim Shaw, NWFF

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Incident Name:	2. Operational Period:(Date/ Time)	DAILY MEETING/
Lindsey Lake Tanker Truck Spill	From: 02 Mar 2019 / 0700 to: 04 Mar 2019 / 0700	CONFERENCE CALL SCHEDULE ICS 230- EPA

3. MeetingSchedule (Commonly-held meetings are included):				
Date/ Time	Meeting Name	Purpose	Attendees	Location
Daily 7:30am	OPERATIONS Briefing	30-minutes Present the IAP to responders; brief oncoming ops section on daily operations	PSC Facilitates All Command & General Staff, all Operations staff	Viento Park ICP Briefing tent
Daily 10:00am	Unified Command Objectives Meeting	Develop Objectives	U/C, Plans	DEQCommand Trailer
Second Day of Operational Period 10:30am	COMMAND& GENERAL STAFF Meeting	30-minutes UC to provide updates, decisions and management directives to command & General Staff	PSC Facilities All Command & General Staff SITL	Viento Park ICP Briefing
Daily 2:30pm	PLANNING Meeting	45-minutes Define incident objectives, strategies and tactics, and identify resource needs	PSC Facilities All Command & General staff, Resources, Situation	Viento Park ICP Briefing Tent

4. Special and Other Meetings:				
Daily 1:00pm	All IAP Docs Due	All documents for the IAP are due to ICP - U/C to review draft IAP	All Staff	Ross_McMakin@nwff environmental.com
Daily 6:00pm	Daily operations terminate	All operations terminate, ICP closes	All staff	N/A

S. Prepared by: (PSC)		(Date/ Time I
Name: RossMcMakin - NWFF	Signature:	

1. Incident Name: _____ Lindsey Lake Tanker Truck Spill		2. Operational Period: (Date/ Time) _____ From: 02 Feb 2019 / 0700 to: 04 Mar 2019 / 0700		RESOURCES AT RISK SUMMARY ICS 232-0S	
3. Environmentally-Sensitive Areas and Wildlife Issues Overall Objectives of Response - (#1) Safety of public and responders, (#2) Contain and recover diesel fuel against shoreline at seepage point, (#3) Protect wetlands and natural resources in Lindsey Lake and Lindsey Creek, (#4) Prevent fuel from moving into Columbia River					
Site#	Priority	Site Name and/or Physical Location	Site Issues		
Hwy MP 53.8 Columbia River Mile 158.8	1	Lindsey Lake (AKA Lindsey Pond) Source Control - Install containment boom against shoreline in area of product seepage, line with adsorbent boom to capture oil and keep oil out of lake. Replace sorbent boom as indicated by rate of oil saturation.	Length: 2,500' Boom - B2 (Contractor Boom) or equivalent. Sweeps or sorbent boom backing B2 to adsorb oil until small skimmer or vacuum truck can be placed/operated. Objective: Containment & Recovery - Keep oil contained to limit impacts to Lindsey Lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat.		
B 158.8L	2	Lindsey Lake (Cascade Locks, OR)	Length: 300' Boom - B2 (Contractor Boom) or equivalent. Use 100' in "V" shape within Lindsey Lake at culvert <u>through railway</u> levee. Use additional 200' of boom in "V" shape in Columbia River on opposite side of levee as secondary containment for river. Objective: Exclusion - Keep oil in Lindsey Lake from reaching Columbia River by blocking outfall/inlet to lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat. Fish passage must be maintained by keeping boom at distance from passage culvert.		
Narrative <p>Habitat Concerns: Islands, sloughs and wetlands provide critical resting and feeding areas for wildlife and serve as important rearing areas for resident fish and juvenile salmonids. Various deep and shallow water river habitats support a reported 48 species of freshwater fish including species important to sport fishery such as trout, walleye, bass, sunfish, catfish and sturgeon. Additionally, numerous other small generally shallow water species such as dace, shiner, mosquitofish, stickleback and sculpins occur here and serve as important food sources for birds, larger fish and other wildlife. Their occurrence in shallow water makes them more susceptible to the toxic effects of petroleum. Riparian habitats are heavily used by wildlife including river otter, beaver and raccoon.</p> <p>Wildlife Concerns: This area is located on a major artery of the Pacific Flyway used primarily in October through February. Large numbers of waterfowl present, Pied-billed Grebe, Double-crested Cormorant, Canada Geese, Blue, Green, and Cinnamon Winged Teal, Mallard, Gadwall, Northern Shoveler, Redhead, ring-necked Duck, Lesser Ruddy Duck, Common Merganser, Lesser Scaup, Bufflehead, American Wigeon, Ring-billed Gulls, American Coot, Blue Herons and American White Pelicans are common in Fall. Bald Eagles are in the area and will prey on injured waterfowl. River otters, mink and beaver are present and vulnerable to oil exposure.</p> <p>Fish Concerns: Sloughs and impoundments are critical rearing habitat for both salmonids and resident fish. Adult and juvenile Fall Chinook, Coho and Steelhead runs are passing through the area in September and early October. Overwintering juvenile Coho and Chinook will be using the nearshore and backwater areas.</p> <p>Threatened & Endangered Species Concerns: Listed stocks include: Upper Columbia River Spring [FE], Snake River Spring, summer, and Fall Chinook [FT], Snake River Sockeye salmon [FE] and upper Columbia River steelhead [FT], Snake River Steelhead [FT]. American White Pelican [SE]</p> <p><u>Juvenile coho, winter steelhead, and Redband trout are present in Lindsey Creek which enters Lindsey Lake (pond) at natural delta to west of Stillwellage front on bank against the highway.</u></p> <p><u>Report any observations of impacted fish, waterfowl or other wildlife to Operations Section Chief, ODFW (Jon Germond @ 503-947-6088) and USFWS (Mike Szumski @ 541-867-4550) immediately on discovery.</u></p>					
4. Archaeo-cultural and Socio-economic Issues					
Site ID	Priority	Site Name and/or Physical Location	Site Issues		
N/A	1	Sensitive tribal cultural sites	To be identified through consultation with local tribes and the Oregon State Historical Preservation Office . Initial consultations with SHPO and all four Federal treaty tribes with interests in the region indicated no resources are present in the immediate vicinity of the site; see below. Notifications to the tribes and SHPO were made between 2/12/19 and 2/13/19.		
B-155.7L and others	1	Tribal fishing sites (numerous along Oregon shoreline) from site to Bonneville Dam	Fishing from scaffolds along the river and use of In-Lieu Sites (such as the Wyeth In-Lieu Site at RM 155.7L) have the potential for impacts from river operations (including boat launching with permission) during the response. CRITFC has been notified and continues on the response in a liaison capacity.		

N/A	2	Columbia River Gorge National Scenic Area	Scenic, cultural, recreational, and natural resources. Coordination with CRGNSA initiated. Office closed due to inclement weather, left message with explanation of resource protection efforts and to call back with any questions or information (541-308-1700)
B-145.4-N	2	Bonneville Dam Fishway and USACE assets in area	Fishery resources. Notification to USACE made 2/11/2019
N/A	2	Bonneville State park, Bonneville, OR	Public recreation. Notification to Oregon State Parks made 2/12/2019
B-146.2L-N	2	Cascade Hatchery (Eagle Creek Hatchery) USFWS Facility	Notification to manager 503 801 3713 (advisory notification completed) 541-867-4550
B-150.SL-N	2	City of Cascade Locks Water Intake	Call Public Works Foreman at 541-386-2616 (advisory notification completed via Sheriff's Emergency Line)
N/A	2	Oregon State Parks Department	Contact with OR State Parks made 2/12/2019 (Gary Curtis 541-388-6204)

Narrative

Numerous culturally sensitive areas exist along the shorelines of the region. Tribal notifications have been made and coordination with Columbia River Intertribal Fisheries Commission and the Oregon State Historic Preservation Office is ongoing. Dennis Griffin with OR- SHPO has stated that there are no known archaeological sites in the response area. Advises to proceed, with due caution for unknown resources. See Inadvertent Discovery Plan for Cultural Resources, attached with this document.

5. Prepared by: (Environmental Unit leader)

Date/Time

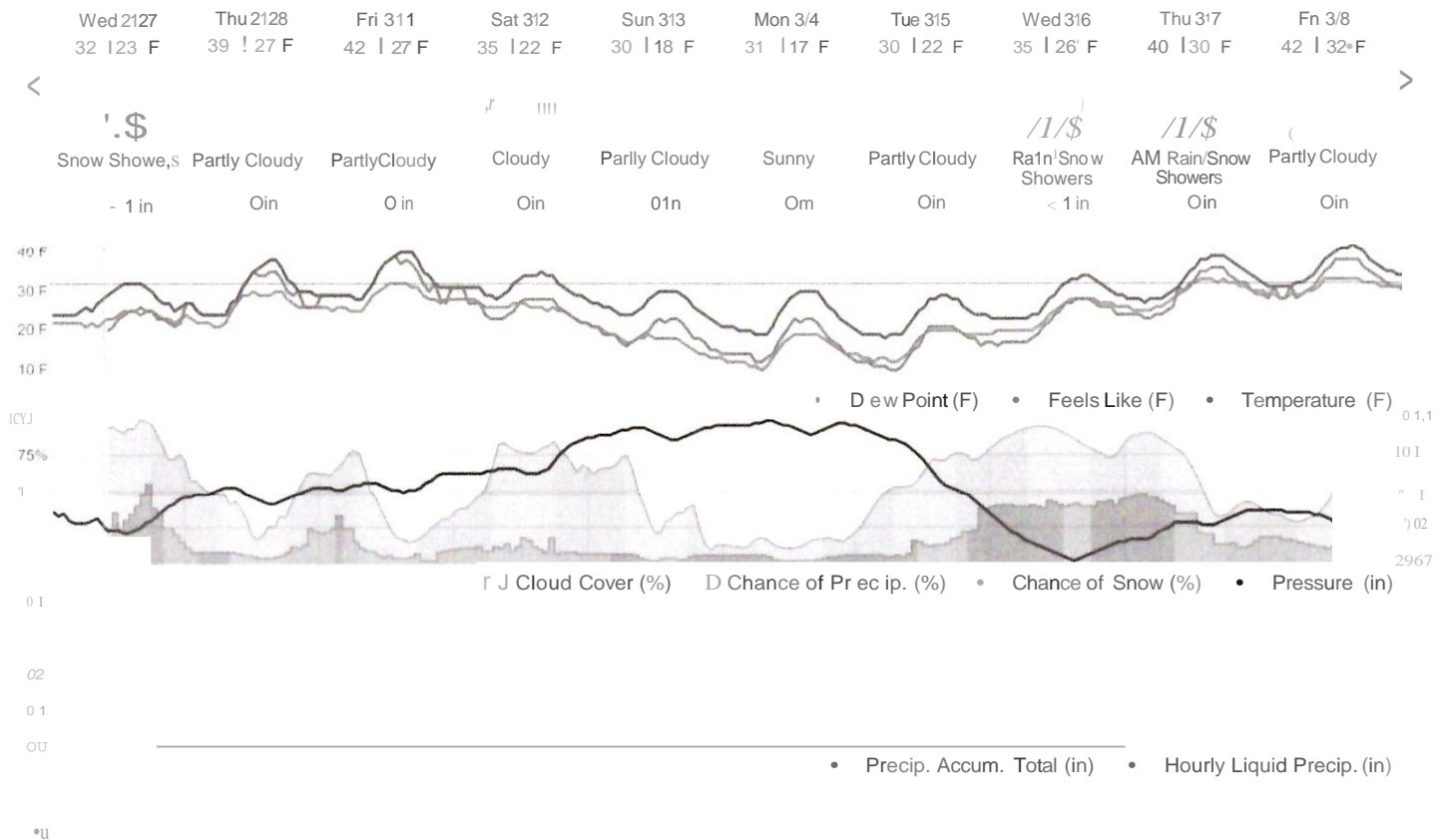
Don Pettit, Dep EUL

2/ 14/2019 1500

RESOURCES AT RISK SUMMARY

ICS 232 -0 S

Weather Report for 3/02/2019



DISCUSSION...Low pressure offshore will continue to spin a few showers over the area today, but as it drops south and falls apart, we will see any chance for showers come to an end this evening. Temperatures will drop back down below freezing tonight. East winds will start to increase through the west end of the Columbia Gorge on Saturday morning as high pressure builds into the Columbia Basin. Expect east winds to persist through early next week, with dry weather. Next chance for precipitation will be on Tuesday, likely falling as snow in the Columbia Gorge.

.REST OF TODAY...

Sky/weather.....Mostly cloudy. A chance of snow early morning, then decreasing chance of showers with a mix of rain and snow in the afternoon.

Chance of pcpn.....30 percent.

Max temperature37-40.

Min humidity.....70-75 percent.

Dewpoint 25-30.

Surface winds.....East winds 5 to 9 mph.

CEILING (KFT)...3000 feet early lifting to 5000 feet midday.

Visibility.....3 to 5 miles this morning becoming unrestricted midday.

.TONIGHT...

Sky/weather.....Mostly cloudy.

Chance of pcpn.....10 percent.

Min temperature 27-30.

Max humidity.....85-90 percent.

Dewpoint 25-30.

Surface winds.....East winds 5 to 9 mph.

CEILING (KFT).....3000 feet.

Visibility.....3 to 5 miles.

.SATURDAY...

Sky/weather.....Mostly cloudy.

Chance of pcpn.....10 percent.

Max temperature 35-40.

Min humidity.....60-65 percent.

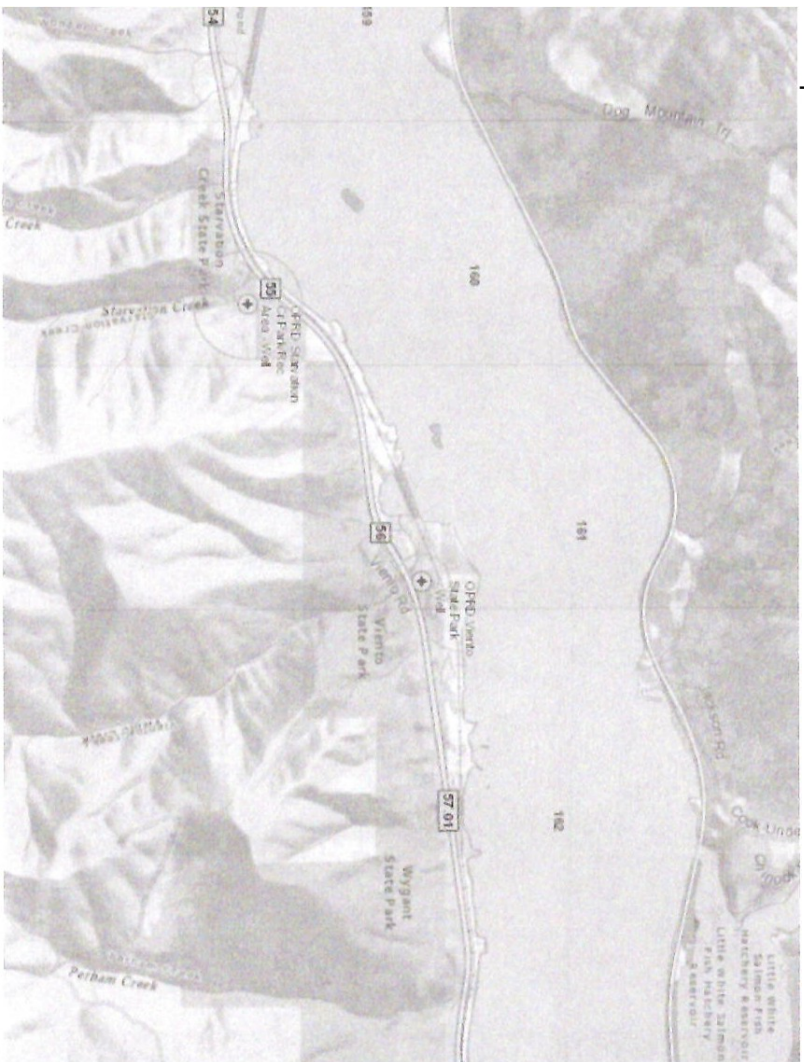
Dewpoint..... 25-30.

Surface winds.....East winds 5 to 9 mph.

CEILING (KFT).....3000 feet.

Visibility.....3 to 5 miles in the morning becoming unrestricted midday.

River Map



MAP 2 - Lower Columbia River - River Mile 159
Lindsey Lake Booming Strategy

